

Posted: Tue, Feb 9, 1993 10:01 AM EST Msg: JJJD-1740-2885
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Subj: MODIS SDST Minutes 1/29 & 2/05

MODIS Science Data Support Team (SDST) Meeting Minutes 01/29/93

ATTENDEES: Francesco Bordi, Lloyd Carpenter, Paul Chan, Jy-Tai Chang,
Larry Fishtahler, Tom Goff, Liam Gumley, Paul Hubanks, Ed Masuoka, J.J.
Pan, Shahin Samadi, Greg Schmidt, Jim Storey

TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley has completed and distributed the first draft (Version 1.1) of the MODIS Airborne Simulator Level-1 Data Processing User's Guide. Work is continuing on the MODIS Airborne Simulator Level-1B Data User's Guide.

Work is also continuing on porting source code for generating ancillary input files for the cloud optical depth code. The software is being ported from the IBM to the Indigo. Data files generated on the Indigo are significantly different from the IBM versions.

2. DATA PRODUCTS LIST AND ALGORITHM DEPENDENCY DIAGRAM: J.J. Pan has received responses from 16 MODIS Science Team Members providing corrections to the data products list and the algorithm dependency diagram.

3. MODIS EARTH LOCATION ERROR: Paul Hubanks has completed the first draft of the "Analysis of MODIS Earth Location Error" report. Tables and Figures were updated to reflect new pointing error budgets from GE (EOS Platform) and SBRC (MODIS Instrument). New results were presented showing the latitude dependence of the minimum scan angle required for complete coverage during observation periods of various lengths.

4. LEVEL-1 DESIGN ASSUMPTIONS/TRACKING/RISK LIST: Tom Goff presented modifications and additions to the assumptions list for the MODIS Level-1 design.

ACTION ITEMS:

06/12/92 [LLOYD CARPENTER]. Due Date: 02/12/93. Implement Microsoft Project for managing and scheduling MODIS SDST activities, including Level-1A and -1B schedules, Level-2 shell schedule, sizing of computer resource requirements, and overview. STATUS: Open.

12/22/92 [LLOYD CARPENTER]. Due Date: 03/01/93. Survey the MODIS science team members to determine computer storage and processing requirements for Level-2 processing. STATUS Open.

01/22/93 [AL FLEIG]: Due Date: 2/15/93. Write a memo to the project to

change the MODIS duty cycle to 50% daytime, 50% nighttime. (The memo has been written. Lloyd Carpenter call Bill Barnes about a copy of a view graph showing the impact. (Bill Barnes is on travel until Monday, February 8, 1993.)) STATUS: Open.

1/22/93 [CARL SOLOMON]. Due Date: 2/12/93. Develop configuration management concepts suitable for application for MODIS Level-1 (etc.) software development; prepare alternatives and "cost/benefit" analyses. STATUS: Open.

1/22/93 [JIM STOREY]. Due Date: 2/22/93. Meet with EDOS, AM platform, and other groups; develop "cost/benefit" analyses; and provide recommendations for treatment of platform ancillary data (e.g., position, attitude). For example, do we incorporate position/attitude data into the Level-1A product or assign a pointer to it? Do we recommend that platform ancillary data be included in the MODIS instrument Level-0 data stream? STATUS Open.

1/22/93 [LLOYD CARPENTER/TOM GOFF]. Develop SDST-final draft of Level-1 requirements/assumptions. Due Date: (Initial draft due 2/15/93; iterate until 2/26/93; mail draft to MODIS, EOSDIS, and other parties for review by 3/1/93). STATUS: Open.

1/22/93 [PAUL HUBANKS/CARROLL HOOD]. Due Date: 2/19/93. Develop concepts for improving completeness of MAS metadata (anticipate the questions scientists might ask prior to ordering the data; e.g., identify clouds, snow/ice, etc.). STATUS: Open.